Drought Solutions and Sustainability

David Wegner

Jacobs Engineering

Senior Scientist

What does Sustainability look like?



Available water in California is a function of multiple factors:

- What the climate and weather provides
- How that water is distributed throughout the state and region
- How that water is managed and moved
- How we interact with it



Reflections on Water - Water Policy and the Rising of the Water Alliance

Water Management in a Federalist System

- Responsibility spread out
- Roles and Responsibilities
 - Federal 26 agencies & laws
 - State primary water authority
 - Local ordinances and zoning

Water Policy Challenges

- Complex web
 - Federal and state laws
 - Ordinances and regulations
 - Treaties
 - Contracts
- Congressional and Federal Oversight
- Water Development and rise of the Hydraulic Alliance
 - Expanding responsibilities and expectations





Revolving Pieces of the California Water Puzzle – with no clear path evident

- CalFed to Bay Delta Conservation Plan to Cal WaterFix to ????
- 2014 California Proposition 1 the Water Bond
- Tribal water settlements
- H.R. 2898 America Food Security
- S. 2533 Emergency Drought Relief
- Drainage issues
- Groundwater and pumping



Can we do a better job managing water flow?





We need a comprehensive strategic approach to managing California's water future

Positive steps forward based on doable actions:

- Expansion of water reuse-recycling program
- Inject federal seed money into recycling currently capped at \$20 million
- Develop an aggressive public-private partnership program with bonding agents
- Support applied research on water
- Support and expand the existing water market in California

- Implement storm water capture
- Do transparent data collection
- Utilize percolation basins
- Nurture the common ground for California
- Start a statewide dialogue on water for long-term solutions



It is time for the
Hydraulic Alliance of the
past to help transition
to the next generation
of innovative water
leaders

